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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/731,629

12/07/2000

Steven M. French

AUS920000812US1

1076

7590

09/26/2006

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EXAMINER

NGUYEN, THANH T

ART UNIT

PAPER NUMBER

2144

DATE MAILED: 09/26/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/731,629	FRENCH ET AL.	
	Examiner	Art Unit	
	Tammy T. Nguyen	2144	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE (3) MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 June 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9 and 11-27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-9, 11-27 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 07 December 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |



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Detailed Office Action

1. This action is responsive to the amendment filed on June 20, 2006.
2. Claims 1-9, 11-27 are reopen for examination.

Claim Rejections - 35 USC § 112

3. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

4. Claims 1, 13, and 23 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

5. The "Invention" for the purpose of the first paragraph analysis is defined by the claims. The description requirement is simply that the claimed subject matter must be described in the specification. The function of the description requirement is to ensure that the applicant had possession of the invention on the filing date of the application. The application need not

describe the claim limitation exactly, but must be sufficiently clear for one of ordinary skill in the art to recognize that the applicant's invention encompasses the recited limitations. The description requirement is not met if the application does not expressly or inherently disclose the claimed invention.

6. Specification does not explicitly describe nor is sufficiently clear for one of ordinary skill in the art to recognize the following step as recited in claims 13, and 23 "wherein the target devices are *persistently and concurrently* in communication with the server by mean of network". It would cause undue experimentation for one of ordinary skill in the network art at the time the invention was " wherein the target devices are persistently and concurrently in communication with the server by mean of network".

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claims 1-9, 11-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Beelitz et al., (hereinafter Beelitz) U.S. Patent No. 6,182,275 in view of Cohn et al., (hereinafter Cohn) U.S. Patent No. 6,411,684.

9. As to claim 1, Beelitz teaches the invention as claimed, including a method of

generating a list of target devices to be configured in communication with a server, comprising: creating a first list of target devices to be configured (col.7, lines 35-40, lines 48-51); identifying at least one addressed target device having an associated network address (Fig.1, Target computer system 137 associated with network connection 110, and col.15, lines 55-60); modifying the first list of target devices using the addressed target device (col.16, lines 4-10); and generating a modified list of target devices to be configured (col.18, lines 5-10), wherein the target devices are to be remotely booted by server (col.14, line 65 to col.15, line 7). But Beelitz does not explicitly teach persistently and concurrently in communication with the server by means of a network. However, Cohn teaches persistent and concurrent in communication with the server by means of a network (see col.10, lines 33-50, and col.34, lines 15-28).). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Cohn into the computer system of Beelitz to have persistent and concurrent in communication with the server by means of a network because it would have been provided specific functions that can operating or occurring at the same time and continuing without change in function or structure in the network.

10. As to claim 2, Beelitz teaches the invention as claimed, wherein the addressed target device is listed in at least one information source (col.7, lines 35-40).

11. As to claim 3, Beelitz teaches the invention as claimed, further comprising: adding the associated network address of the addressed target device to the first list of target devices (col.3, lines 5-15).

12. As to claim 4, Beelitz teaches the invention as claimed, further comprising: adding the addressed target device having an associated network address to the first list of target devices (col.17, lines 20-30).

13. As to claim 5, Beelitz teaches the invention as claimed, further comprising: removing the addressed target device having an associated network address from the first list of target devices (col.4, lines 59-64).

14. As to claim 6, Beelitz teaches the invention as claimed, further comprising: pre-configuring at least one pre configured target device (col.18, lines 60-67, and lines 5-10).

15. As to claim 7, Beelitz teaches the invention as claimed, further comprising: adding the pre configured target device to the first list (col.18, lines 60-67).

16. As to claim 8, Beelitz teaches the invention as claimed, further comprising: determining if a target device has an associated network address; and removing the target device from the modified list of target devices if it does not have an associated network address (col.7, lines 35-40).

17. As to claim 9, Beelitz teaches the invention as claimed, further comprising: configuring the target devices on the modified list (col.7, lines 4-56).

18. As to claim 11, Beelitz teaches the invention as claimed, further comprising:
examining log data to determine if a target device has an associated network address (Fig.1
Target computer and associated network 110).

19. As to claim 12, Beelitz teaches the invention as claimed, further comprising:
providing the modified list to the server (col.1, lines 40-55).

20. As to claim 13, Beelitz teaches the invention as claimed, including a computer
program product in a computer usable medium for generating a list of target devices to be
configured in communication with a server, comprising: means for creating a first list of target
devices to be configured (col.17, lines 35-40, and lines 48-50); means for identifying with an
identification at least one addressed target device having an associated network address (col.15,
lines 55-60); means for modifying the first list of target devices using the addressed target device
(col.16, lines 4-10); and means for generating a modified list of target devices to be configured
(col.18, lines 5-10) wherein the target devices are to be remotely booted by server (col.14, line
65 to col.15, line 7). But Beelitz does not explicitly teach persistently and concurrently in
communication with the server by means of a network. However, Cohn teaches persistent and
concurrent in communication with the server by means of a network (see col.10, lines 33-50, and
col.34, lines 15-28).). It would have been obvious to one of ordinary skill in the art at the time
of the invention was made to implement the teachings of Cohn into the computer system of
Beelitz to have persistent and concurrent in communication with the server by means of a

network because it would have been provided specific functions that can operating or occurring at the same time and continuing without change in function or structure in the network.

21. As to claim 14, Beelitz teaches the invention as claimed, further comprising: means for storing the identification of the addressed target device (Fig.1, Target computer system 137).

22. As to claim 15, Beelitz teaches the invention as claimed, further comprising: means for adding the associated network address of the addressed target device to the first list of target devices (col.3, lines 5-15).

23. As to claim 16, Beelitz teaches the invention as claimed, further comprising: means for adding the addressed target device having an associated network address to the first list of target devices (col.3, lines 5-15).

24. As to claim 17, Beelitz teaches the invention as claimed, further comprising: means for removing the addressed target device having an associated network address from the first list of target devices (col.7, lines 35-40).

25. As to claim 18, Beelitz teaches the invention as claimed, further comprising: means for pre configuring at least one target device listed in the first list (col.7, lines 45-50).

26. As to claim 19, Beelitz teaches the invention as claimed, further comprising: means

for removing a target device without an associated network address from the modified list of target devices (col.8, lines 40-45).

27. As to claim 20, Beelitz teaches the invention as claimed, further comprising: means for configuring the target devices listed in the modified list.

28. As to claim 21, Beelitz teaches the invention as claimed, further comprising: means for examining packet data to determine if a target device has an associated network address (Fig.1 associated network 110).

29. As to claim 22, Beelitz teaches the invention as claimed, further comprising: means for examining log data to determine if a target device has an associated network address (Fig.1 target computer system 137 associated with network 110).

As to claim 23, Beelitz teaches the invention as claimed, including a data processing system, the system including target devices and a server, wherein the target devices are persistently and concurrently in communication with the server by means of a network, comprising: means for creating a first list of target devices to be configured (see col.7, lines 35-40, lines 48-50); means for identifying at least one addressed target device having an associated network address (see col.15, lines 55-60); means for comparing the addressed target device to the target devices on the first list (see col.10, lines 10-52, col.16, lines 4-10); and means for generating a modified list of target devices to be configured based on the addressed target device (see col.18, lines 5-10, and

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col.14, line 65 to col.15, line 7). But Beelitz does not explicitly teach persistently and concurrently in communication with the server by means of a network. However, Cohn teaches persistent and concurrent in communication with the server by means of a network (see col.10, lines 33-50, and col.34, lines 15-28). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Cohn into the computer system of Beelitz to have persistent and concurrent in communication with the server by means of a network because it would have been provided specific functions that can operating or occurring at the same time and continuing without change in function or structure in the network.

30. As to claim 24, Beelitz teaches the invention as claimed, further comprising: means for storing information about the addressed target device (see col.7, lines 35-40).

31. As to claim 25, Beelitz teaches the invention as claimed, further comprising: means for configuring at least one target device (see col.18, lines 5-10).

32. As to claim 26, Beelitz teaches the invention as claimed, further comprising: means for determining if a target device has an associated network address (Fig.1 associated network 110).

33. As to claim 27, Beelitz teaches the invention as claimed, further comprising: creating a router list of target devices (see col.7, lines 35-40, lines 48-50); comparing the router list and the first list of target devices, and wherein modifying the first list of target devices using the

addressed target device comprises modifying the first list of target devices based on the comparison (see col.10, lines 10-52, col.16, lines 4-10).

Response to Arguments

34. Applicant's arguments filed on June 20, 2006 have been fully considered, however they are not persuasive because of the following reasons:

35. In response to applicant's argument that there is no suggestion to combine the references, the examiner recognizes that obviousness can only be established by combining or modifying the teachings of the prior art to produce the claimed invention where there is some teaching, suggestion, or motivation to do so found either in the references themselves or in the knowledge generally available to one of ordinary skill in the art. See *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988) and *In re Jones*, 958 F.2d 347, 21 USPQ2d 1941 (Fed. Cir. 1992). In this case, It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Cohn into the computer system of Beelitz to have persistent and concurrent in communication with the server by means of a network because it would have been provided specific functions that can operating or occurring at the same time and continuing without change in function or structure in the network.

36. In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies (i.e., creation of a router list, or comparing the router list to the first list of target devices. And modifying the first of target devices based on the comparison) are not recited in the rejected claim(s). Although the

claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

37. Therefore, the Examiner asserts that cited prior arts teach or suggest the subject matter broadly recited in independent claims 1, 13, and 23. Claims 2-12, 14-22, and 24-27 are also rejected at least by the virtue of their dependency on independent claims and by other reasons set forth in the previous office action.

38. Accordingly, claims 1-27 are respectfully rejected.

Conclusion

39. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

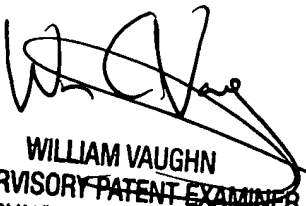
A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tammy T. Nguyen whose telephone number is 571-272-3929. The examiner can normally be reached on Monday - Friday 8:30 - 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, *William Vaughn* can be reached on 571-272-3922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TTN
September 1, 2006


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